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[\[BOOK\]](#) A language modeling approach to information retrieval - [all 9 versions](#) »

JM Ponte, WB Croft - 1998 - ACM Press New York, NY, USA

... The task Kalt investigated was **text classification**. ... **Basic Model** We now try to improve our **probability** estimates since, according to our **model**, this should ...

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[\[PDF\]](#) Focused Crawling: A New Approach for **Topic**-Specific Resource Discovery - [all 38 versions](#) »

S Chakrabarti, M van den Berg, B Dom - WWW Conference, 1999 - cse.iitb.ac.in

... is generated by a category we use the followin Bernoulli document **model** for **text**. ...

Each face of the coin represents a word; the **probability** that the face ...

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[A hidden Markov model approach to \*\*text segmentation\*\* and eventtracking](#)

JP Yamron, I Carp, L Gillick, S Lowe, P van ... - *Acoustics, Speech, and Signal Processing, 1998.*

ICASSP'98, ..., 1998 - [ieeexplore.ieee.org](#)

... **T**. There is a language **model** associated with ... to itself (the "self- loop" **probability**), which implicitly ... Given a **text stream**, a **probability** can be attached ...

[Cited by 72](#) - [Related Articles](#) - [Web Search](#)

[\[PDF\]](#) A comparison of event models for naive bayes **text classification** - [all 25 versions](#) »

A McCallum, K Nigam - *AAAI-98 Workshop on Learning for Text Categorization*, 1998 - [ece.ut.ac.ir](#)

... document, and selecting the class with the highest **probability**. ... This method works well with **text** and has ... that the multi- nomial event model usually performs ...

[Cited by 909](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Statistical Models for \*\*Text Segmentation\*\*](#) - [all 18 versions](#) »

D Blei, A Berger, J Lafferty - *Machine Learning*, 1999 - Springer

... a technique that uses co-occurrence data to map a query **text** into semantically ... The idea is to construct a **model** that assigns a **probability** to the end ...

[Cited by 226](#) - [Related Articles](#) - [Web Search](#)

[\[PS\]](#) A neural network approach to **topic spotting** - [all 5 versions](#) »

E Wiener, JO Pedersen, AS Weigend - *Proceedings of the Fourth Annual Symposium on Document ...*, 1995 - [citeseer.com.comp.nus.edu.sg](#)

... in more detail two recent **text categorization** studies ... fairly simple conditional **probability model** and another ... ate classier was constructed for each **topic** ...

[Cited by 300](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Text Segmentation by \*\*Topic\*\*](#) - [all 10 versions](#) »

JM Ponte, WB Croft - *Research and Advanced Technology for Digital Libraries*: ..., 1997 - [books.google.com](#)

... is scored as a function of the **probability** that the ... **model** produced the block and the background **model** produced the ... other hand, is to segment the **text** by **topic** ...

[Cited by 109](#) - [Related Articles](#) - [Web Search](#)

[... of intrahepatic cancers with radiation doses based on a normal tissue complication probability](#)

[model](#) - all 5 versions ↗

CJ McGinn, RK Ten Haken, WD Ensminger, S Walker, S ... - Journal of Clinical Oncology, 1998 - jco.ascopubs.org

... Although the observed complication probability is within the confidence ... our **model**, it is possible that this **model** overestimates the ... Abstract] [Full Text] [PDF], ...

Cited by 56 - Related Articles - Web Search

[\[PS\] Multi-label text classification with a mixture model trained by EM](#) - all 7 versions ↗

A McCallum - AAAI'99 Workshop on Text Learning, 1999 - cs.cmu.edu

... is the problem of assigning a **text** document into one ... and then expanding the mixture **model** gives:  $P$  ... is performed by calculating the posterior **probability** of each ...

Cited by 32 - Related Articles - View as HTML - Web Search

[Term-weighting approaches in automatic text retrieval](#) - all 7 versions ↗

G Salton, C Buckley - Information Processing and Management: an International ..., 1988 - portal.acm.org ... Chien, Auto-generation of **topic** hierarchies for ... Youngjoong Ko , Jungyun Seo, **Text** categorization using ... HQ Ding, A similarity-based **probability** model for latent ...

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MJ Beal, Z Ghahramani, CE Rasmussen - Advances in Neural Information Processing Systems, 2002 - 24.14.41.210

Page 1. The Infinite **Hidden Markov Model** ... in detail the HDP model for **transitions** and emissions for an infinite-state HMM. 3.1 Hidden **state transition** mechanism ...

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[A hidden Markov model for modelling long-term persistence in multi-site rainfall time series 1. ... - all 5 versions »](#)

M Thyer, G Kuczera - Journal of Hydrology, 2003 - Elsevier

... rainfall data was generated using the **HMM** with the ... hence different wet and dry **state** covariance matrices ... shows the values used for the **transition** probabilities ...

Cited by 7 - [Related Articles](#) - [Web Search](#)

[A dynamic hmm for on-line segmentation of sequential data - all 14 versions »](#)

J Kohlmorgen, S Lemm - Advances in Neural Information Processing Systems, 2001 - books.nips.cc ... c-path that ends in a pdf **state** s from ... this has lower costs despite of the incurred additional **transition** ... in the data and cause the removal of **HMM** states with ...

Cited by 10 - [Related Articles](#) - [Cached](#) - [Web Search](#)

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MJBZG Carl, E Rasmussen - books.nips.cc

The Infinite **Hidden Markov Model** Matthew J. Beal Zoubin ... **transitions** and emissions for an infinite-state HMM. 3.1 Hidden **state transition** mechanism Imagine we ...

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[\[PDF\] Q, NH Transition Matrix for non-homogeneous Hidden Markov Model - all 5 versions »](#)

Q NH, O Rueda, R Diaz-Uribarri - The RJaCGH Package - cran.active.co.il

... of 1/number of hidden **state** when the ... value returned A matrix with the **transition** probabilities for ... function fits a non-homogeneous **hidden Markov model** to CGH ...

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[\[PDF\] Gene Expression Time Course Clustering with Countably Infinite Hidden Markov Models - all 2 versions »](#)

MJ Beal, P Krishnamurthy - 24.14.41.210

... indexes a specific row of the **transition** matrix, with ... not suffer from the countably infinite **state** space ... For the HDP-HMM, the auxiliary variable Gibbs sampling ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Modeling Temporal Structure in Classical Conditioning - all 20 versions »](#)

AC Courville, DS Touretzky - Advances in Neural Information Processing Systems 14: ... , 2002 - books.google.com

... of parameter  $a_j$ . The **hyperparameter**  $v_j$  ... of Gaussians, and a very restrictive **state transition** structure, a **hidden Markov model** can integrate the ...

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[Combined Linear Regression Adaptation and Bayesian Predictive Classification for Robust Speech ...](#)

[all 2 versions >](#)

JT Chien - Seventh European Conference on Speech Communication and ..., 2001 - ISCA

...  $\varphi$  R g is the prior pdf with **hyperparameter**  $\varphi$  ... t t s s a 1 - is the **state transition**

probability ... In linear regression adaptation, the extended **HMM** mean vector ...

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**Predictive Hidden Markov Model Selection for Decision Tree State Tying** - [all 2 versions >](#)

JT Chien, S Furui - Eighth European Conference on Speech Communication and ..., 2003 - ISCA

... **HMM** parameters  $\lambda$  consist of the initial **state** probabilities  $\{\pi_i\}$  transition

probabilities  $\{\alpha_{ij}\}$  and d-variate mixture Gaussian parameters ...

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**[PDF] Application of variational Bayesian approach to speech recognition** - [all 7 versions >](#)

S Watanabe, Y Minami, A Nakamura, N Ueda - Advances in Neural Information Processing Systems, 2003 - kecl.ntt.co.jp

... **transition** probability from **state** i to **state** j, and  $c_{jk}$  is ... mixture for **state** j.

$b_{jk}$  ( $= N(O_t | \mu_{jk}, \Sigma_{jk})$  ... J denotes the number of states in an **HMM** and L ...

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**The Infinite Hidden Markov Model** ... procedure for estimating the **parameters** of an **HMM** is the ... It has been proposed to approximate such **Bayesian** integration both ...

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[Structural MAP speaker adaptation using hierarchical priors](#)

K Shinoda, CH Lee - Automatic Speech Recognition and Understanding, 1997. ..., 1997 - [ieeexplore.ieee.org](#)

... The resulting transformation **parameter**, corresponding to each **HMM parameter**, is a ... are calculated using a hierarchical **Bayes** analysis to ... **hyper-parameter** for  $q_k$  ...

[Cited by 58](#) - [Related Articles](#) - [Web Search](#)

[\[PDF\] Rao-Blackwellised particle filtering for dynamic Bayesian networks](#) - [all 19 versions »](#)

A Doucet, N de Freitas, K Murphy, S Russell - Proceedings of the Sixteenth Conference on Uncertainty in ..., 2000 - [mne.psu.edu](#)

... imputed, cf, cutset conditioning in static **Bayes** nets (Pearl ... as the Kalman filter, the **HMM** filter, the ... 2000), fixed **parameter** estimation (Kong, Liu and Wong ...

[Cited by 247](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[An introduction to hidden Markov models and Bayesian networks](#) - [all 10 versions »](#)

Z Ghahramani - International Journal of Pattern Recognition and Artificial ..., 2001 - [worldscinet.com](#) ... A third assumption of the **hidden Markov model** is that the hidden state ... in HMMs and to formulate natural extensions to the **HMM**. 3. A **Bayesian** Network Tutorial ...

[Cited by 79](#) - [Related Articles](#) - [Web Search](#)

[A robust speaker clustering algorithm](#) - [all 13 versions »](#)

J Ajmera, C Wooters - Automatic Speech Recognition and Understanding, 2003. ASRU' ... - [ieeexplore.ieee.org](#)

... is based on an ergodic **hidden Markov model (HMM)** formalism where ... number of **parameters** in the **HMM** decreases. ... models is to use the **Bayesian** Information Criterion ...

[Cited by 56](#) - [Related Articles](#) - [Web Search](#)

[On-line adaptive learning of the correlated continuous densityhidden Markov models for speech](#)

... - [all 7 versions »](#)

Q Huo, CH Lee - Speech and Audio Processing, IEEE Transactions on, 1998 - [ieeexplore.ieee.org](#) ... Recently, **Bayesian** learning of **hidden Markov model (HMM)** **parameters** has been proposed and adopted in a number of adaptive speech recognition applications (eg ...

[Cited by 23](#) - [Related Articles](#) - [Web Search](#)

[Discovering Dynamics Using Bayesian Clustering](#) - [all 9 versions »](#)

P Sebastiani, M Ramoni, P Cohen, J Warwick, J ... - Advances in Intelligent Data Analysis: Third International ..., 1999 - books.google.com

... time series of sensor data, our **HMM** method learns a ... the observed frequencies ny by the **hyper-parameters** ay so ... By **Bayes'** Theorem, the posterior probability of Mc ...

Cited by 28 - Related Articles - Web Search

[PDF] **Application of variational Bayesian approach to speech recognition** - all 7 versions »  
S Watanabe, Y Minami, A Nakamura, N Ueda - Advances in Neural Information Processing Systems, 2003 - kecl.nit.ac.jp

... acoustic modeling, a triphone-based **hidden Markov model** (triphone **HMM** ... of SST-HMMs (clustering triphone **HMM** states) based on a variational **Bayesian** (VB) ap ...

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[PDF] **Logos: A modular bayesian model for de novo motif detection** - all 13 versions »

EP Xing, W Wu, MI Jordan, RM Karp - Journal of Bioinformatics and Computational Biology, 2004 - cs.berkeley.edu

... **Bayesian** model; Dirichlet prior; **hidden Markov model**; variational inference. ... uses a newly designed **HMM** that we ... is developed for efficient **Bayesian** learning and ...

Cited by 36 - Related Articles - View as HTML - Web Search

**Bayesian time series classification** - all 9 versions »

P Sykacek, S Roberts - Advances in Neural Information Processing Systems 14: ..., 2002 - books.google.com

... setup that is consistent with **Bayesian** theory ([BS94 ... a Gaussian and Multinomial observation **hidden Markov model** or GМОHММ ... the hidden states of the **HMM**; i, are ...

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### Introducing Markov chain Monte Carlo

WR Gilks, S Richardson, DJ Spiegelhalter - **Markov Chain Monte Carlo in Practice**, 1996 - books.google.com  
 ... Thus the Metropolis—Hastings algorithm is extremely simple: **Initialize**  $X_0$ ; set  $I = 0$  ... **INTRODUCING MARKOV CHAIN MONTE CARLO** The left-hand side of equation (1. 6 ...  
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### Markov Chain Sampling Methods for Dirichlet Process Mixture Models - all 17 versions »

RM Neal - **Journal of Computational and Graphical Statistics**, 2000 - JSTOR  
 ... to the posterior distribution was found by applying 100 iterations of Algorithm 5 with  $R = 5$ . This state was then used to **initialize** the **Markov chain** for each ...  
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### Markov chain Monte Carlo methods for stochastic volatility models - all 16 versions »

S Chib, F Nardari, N Shephard - **Journal of Econometrics**, 2002 - Elsevier  
 ... Inference on the parameters is conducted by producing a sample  $\{\psi(g), h(g)\}$  from this density by a **Markov chain** Monte Carlo (MCMC ... **Initialize**  $\beta, s, \lambda$  and  $v$ . ...  
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### Independent unbiased coin flips from a correlated biased source—A finite state markov chain - all 3 versions »

M Blum - **Combinatorica**, 1986 - Springer  
 ... The **Markov Chain** (MC) is a finite set of labeled states  $S_1 \dots S_n$ . Out of each state  $S_i \dots S_n$  **Initialize**: Set state-bit  $(S_i)=2$  for all  $i$ . Set  $i := 1$  [Comment: Enter ...  
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N Giordana, W Pieczynski - **IEEE Transactions on Pattern Analysis and Machine Intelligence**, 1997 - doi.ieeecomps.org  
 ... To **initialize** the three methods we take and if  $i \neq j$  for  $i, j \dots$  distributions [14], and  $F_3$  denotes Gaussian distributions, along with the **Markov chain** defined by ...  
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### Modeling Spatial Variability with One and Multidimensional Continuous-Lag Markov Chains - all 3 versions »

SF Carle, GE Fogg - **Mathematical Geology**, 1997 - Springer  
 ... The continuous-lag **Markov chain** provides a conceptually simple, mathematically compact, and theoretically powerful model of spatial variability for categorical ...  
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Characterization results and **Markov chain** Monte Carlo algorithms including exact simulation for some ... - all 8 versions >

HAËGÈM OLLE, NMVANL MARIE-COLETTE - Bernoulli, 1999 - projecteuclid.org

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Numerical Methods in **Markov Chain** Modeling - all 11 versions >

B Philippe, Y Saad, WJ Stewart - Operations Research, 1992 - JSTOR

... Methods in **Markov Chain** Modeling / 1165 is used as an initial guess. ... Algorithm Arnoldi Step 1. **Initialize**: Choose an initial vector  $v_1$  of norm unity. ...

Cited by 87 - Related Articles - Web Search - Library Search

Introduction to general state-space **Markov chain** theory

L Tierney - Markov Chain Monte Carlo in Practice, 1996 - books.google.com

4 Introduction to general state-space **Markov chain** theory Luke Tierney 4.1 Introduction

**Markov chain** Monte Carlo is a method for exploring a distribution ir in ...

Cited by 75 - Related Articles - Web Search

Studying Convergence of **Markov Chain** Monte Carlo Algorithms Using Coupled Sample Paths. - all 6 versions >

VE Johnson - Journal of the American Statistical Association, 1996 - questia.com

... 9) random variables were repeatedly drawn and used to **initialize** the coupled ... and Smith, RL (1994), "Convergence Diagnostics for **Markov Chain** Samplers," preprint ...

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